

CLAIMS

- 1 A tubeless wire spoked wheel assembly comprising a wheel rim, a hub and a plurality of spokes connecting the hub to the rim through holes in the bottom of the rim tyre well, the rim having a substantially flat circumferential surface in the bottom of the rim tyre well, the bottom surface of tyre well is recessed around each hole whereby each spoke nipple is completely recessed relative to the flat surface, such that a hermetic sealing means can be applied to the flat surface without interference from the spoke nipple.
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- 10 2 A tubeless wire spoked wheel as defined in claim 1 wherein the recessed portion is a countersunk hole.
- 3 A tubeless wire spoked wheel as defined in claim 1 wherein the hermetic sealing means is a self adhesive tape.
- 15 4 A tubeless wire spoked wheel as defined in claim 2 wherein the wheel rim is extruded, the countersunk holes being drilled prior to rolling and welding the rim in circular shape.
- 5 A tubeless wire spoked wheel as defined in claim 1 wherein the wheel rim is an aluminium alloy and/or magnesium alloy extrusion.
- 20 6 A tubeless wire spoked wheel as defined in claim 1 wherein the rim is cast from aluminium alloy or magnesium alloy.
- 25 7 A wheel rim for a tubeless wire spoked wheel, said wheel rim having side walls a bead seat on each side wall, said side walls connected by a flat surfaced bottom of the rim well, and countersunk holes in said flat surfaced bottom to receive spoke nipples, the countersunk portion of the holes being of sufficient depth to fully receive the nipples with no portion of the nipples protruding above the surface of the bottom.
- 8 A method of sealing a wheel rim of a tubeless wire spoked wheel, said method including the steps of forming a wheel rim having side walls and a base having a flat surface connecting the side walls to form the rim well,

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forming countersunk holes in the flat surface of the base, locating the spoke nipples in the countersunk holes with the spoke nipples wholly beneath the flat surface, and applying sealing tape to the flat surface to cover the countersunk holes.